

ABSTRACT:

PDLC cell.

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5 The invention provides a method of filling a PDLC cell, a polymerizable mixture  
suitable for this purpose as well as a display device provided with such a PDLC cell. The mixture  
in accordance with the invention comprises two types of non-volatile reactive monomers, the first  
type of monomer being readily miscible with liquid crystalline material and the second type of  
monomer being poorly miscible with the liquid crystalline material. Such mixtures prove to be  
very stable. In addition, when such mixtures are used in cells, problems regarding compositional  
drift do not occur. Cells in which the inventive mixture is used demonstrate a relatively low  
hysteresis as well as a relatively low switching voltage. By virtue thereof, it is very attractive to  
use these cells in a display device.

Fig. 1.